

REPLACEMENT SHEET



FIG. 1

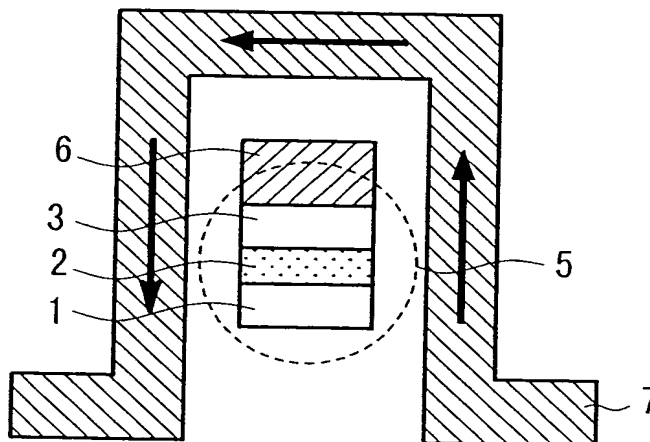


FIG. 2

PRIOR ART

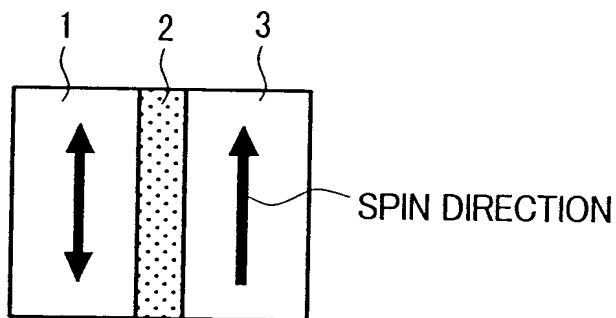
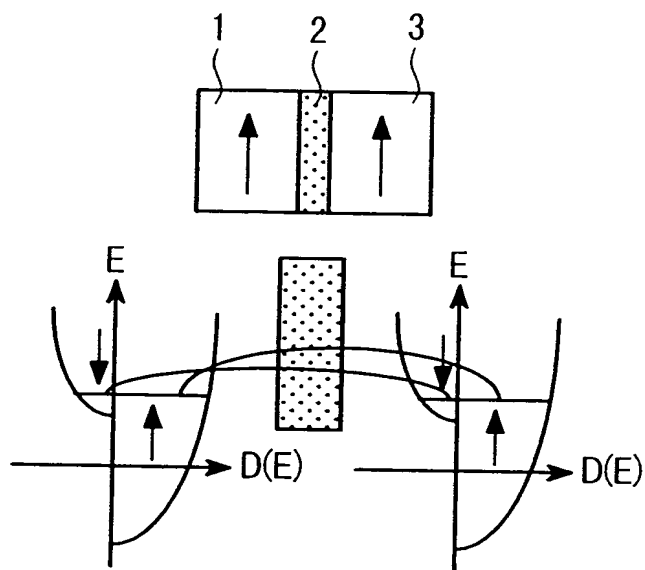


FIG. 3A

PRIOR ART



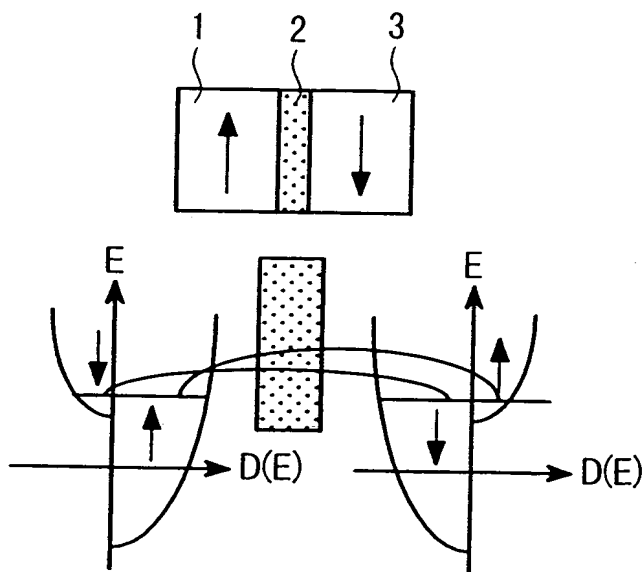
$1/R \sim D_1(E) \cdot D_2(E)$
 1: BEFORE TUNNELING
 2: AFTER TUNNELING

RESISTANCE: SMALL

WHEN THE SPINS ARE PARALLEL

FIG. 3B

PRIOR ART



RESISTANCE: LARGE

WHEN THE SPINS ARE ANTI-PARALLEL

REPLACEMENT SHEET

FIG. 4

PRIOR ART

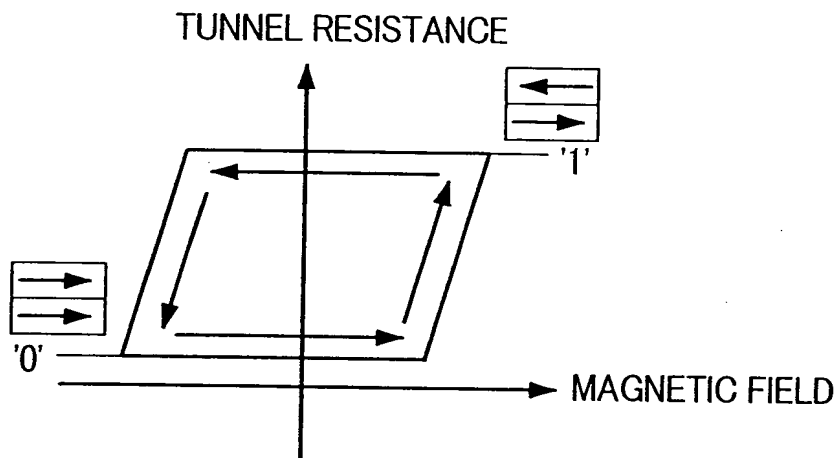


FIG. 5

PRIOR ART

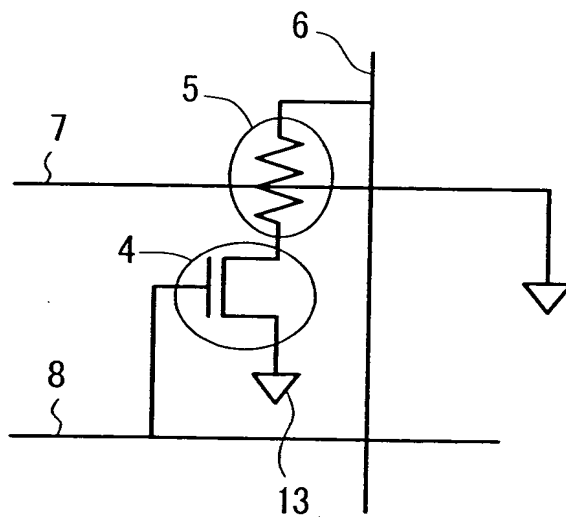


FIG. 6

PRIOR ART

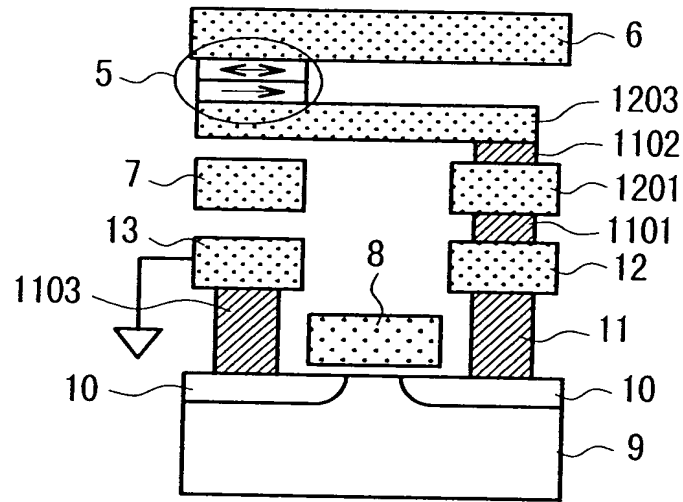


FIG. 7

PRIOR ART

